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# SEQUENCE LISTING

<110> Muldoon, Mark Thomas  
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<120> Compositions and Methods for the Specific Detection of Mammalian  
Muscle Protein

<130> 19596-0571/45738-296417

<140> US 10/789,433  
<141> 2004-02-27

<150> US 60/450,514  
<151> 2003-02-27

<160> 35

<170> PatentIn version 3.2

<210> 1  
<211> 178  
<212> PRT  
<213> Homo sapiens

<400> 1

Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln  
1 5 10 15

Leu Lys Thr Leu Leu Leu Gln Ile Ala Lys Gln Glu Leu Glu Arg Glu  
20 25 30

Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Ala Leu Ser Thr Arg Cys  
35 40 45

Gln Pro Leu Glu Leu Ala Gly Leu Gly Phe Ala Glu Leu Gln Asp Leu  
50 55 60

Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr  
65 70 75 80

Asp Ile Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu  
85 90 95

Thr Gln Lys Ile Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu  
 100 105 110

Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly  
 115 120 125

Ala Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val  
 130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg  
 145 150 155 160

Lys Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe  
 165 170 175

Glu Ser

<210> 2  
 <211> 182  
 <212> PRT  
 <213> *Oryctolagus* sp.

<400> 2

Met Gly Asp Glu Glu Lys Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln  
 1 5 10 15

His Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys  
 20 25 30

Glu Glu Gly Arg Arg Glu Ala Glu Lys Gln Asn Tyr Leu Ala Glu His  
 35 40 45

Cys Pro Pro Leu Ser Leu Pro Gly Ser Met Ala Glu Val Gln Glu Leu  
 50 55 60

Cys Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr  
 65 70 75 80

Asp Met Glu Ile Lys Val Gln Lys Ser Ser Lys Glu Leu Glu Asp Met  
                     85                    90                    95

Asn Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu  
                     100                    105                    110

Arg Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly  
                     115                    120                    125

Ser Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val  
                     130                    135                    140

Lys Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp  
                     145                    150                    155                    160

Trp Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys  
                     165                    170                    175

Met Phe Glu Ser Glu Ser  
                     180

<210> 3  
 <211> 178  
 <212> PRT  
 <213> Rattus sp.

<400> 3

Met Gly Asp Glu Glu Lys Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln  
                     1                    5                    10                    15

His Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys  
                     20                    25                    30

Glu Glu Ser Arg Arg Glu Ser Glu Lys Gln Asn Tyr Leu Ser Glu His  
                     35                    40                    45

Cys Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu  
                     50                    55                    60

Cys Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr  
65 70 75 80

Asp Met Glu Val Lys Val Gln Lys Ser Ser Lys Glu Leu Glu Asp Met  
85 90 95

Asn Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu  
100 105 110

Arg Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly  
115 120 125

Ser Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val  
130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp  
145 150 155 160

Trp Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys  
165 170 175

Met Phe

<210> 4

<211> 182

<212> PRT

<213> Mus sp.

<400> 4

Met Gly Asp Glu Glu Lys Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln  
1 5 10 15

His Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys  
20 25 30

Glu Glu Ser Arg Arg Glu Ser Glu Lys Glu Asn Tyr Leu Ser Glu His  
35 40 45

Cys Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu  
 50 55 60

Cys Lys Gln Leu His Ala Lys Ile Asp Val Ala Glu Glu Glu Lys Tyr  
 65 70 75 80

Asp Met Glu Val Lys Val Gln Lys Ser Ser Lys Glu Leu Glu Asp Met  
 85 90 95

Asn Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu  
 100 105 110

Arg Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly  
 115 120 125

Ser Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val  
 130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp  
 145 150 155 160

Trp Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys  
 165 170 175

Met Phe Glu Ser Glu Ser  
 180

<210> 5  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<400> 5

Met Gly Asp Glu Glu Lys Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln  
 1 5 10 15

His Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys  
 20 25 30

Glu Glu Ser Arg Arg Glu Ala Glu Lys Gln Asn Tyr Leu Ala Glu His  
 35 40 45

Cys Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu  
 50 55 60

Cys Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr  
 65 70 75 80

Asp Met Glu Val Arg Val Gln Lys Thr Ser Lys Glu Leu Glu Asp Met  
 85 90 95

Asn Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu  
 100 105 110

Arg Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly  
 115 120 125

Ser Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val  
 130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp  
 145 150 155 160

Trp Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys  
 165 170 175

Met Phe Glu Ser  
 180

<210> 6  
 <211> 100  
 <212> PRT  
 <213> Capra sp.

<400> 6

Met Gly Asp Glu Glu Lys Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln  
 1 5 10 15

His Leu Lys Ser Ile Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys  
 20 25 30

Glu Glu Gly Arg Arg Glu Ala Glu Lys Gln Asn Tyr Leu Ser Gly His  
 35 40 45

Cys Pro Pro Leu His Leu Pro Gly Ser Met Ser Glu Val Gln Glu Leu  
 50 55 60

Cys Gly Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr  
 65 70 75 80

Asp Met Glu Val Arg Val Gln Lys Ser Ala Lys Glu Leu Glu Asp Met  
 85 90 95

Asn Gln Lys Leu  
 100

<210> 7  
 <211> 183  
 <212> PRT  
 <213> Gallus sp.

<400> 7

Met Ser Asp Glu Glu Lys Lys Arg Arg Ala Ala Thr Ala Arg Arg Gln  
 1 5 10 15

His Leu Lys Ser Ala Met Leu Gln Leu Ala Val Thr Glu Ile Glu Lys  
 20 25 30

Glu Ala Ala Ala Lys Glu Val Glu Lys Gln Asn Tyr Leu Ala Glu His  
 35 40 45

Cys Pro Pro Leu Ser Leu Pro Gly Ser Met Gln Glu Leu Gln Glu Leu  
 50 55 60

Cys Lys Lys Leu His Ala Lys Ile Asp Ser Val Asp Glu Glu Arg Tyr  
 65 70 75 80

Asp Thr Glu Val Lys Leu Gln Lys Thr Asn Lys Glu Leu Glu Asp Leu  
85 90 95

Ser Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu  
100 105 110

Arg Arg Val Arg Met Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly  
115 120 125

Ser Lys His Lys Val Asn Met Asp Leu Arg Ala Asn Leu Lys Gln Val  
130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Lys Asp Leu Arg Asp Val Gly Asp  
145 150 155 160

Trp Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys  
165 170 175

Met Phe Glu Ala Gly Glu Ser  
180

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<210> 8
<211> 183
<212> PRT
<213> Coturnix sp.
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<400> 8

Met Ser Asp Glu Glu Lys Lys Arg Arg Ala Ala Thr Ala Arg Arg Gln  
1 5 10 15

His Leu Lys Ser Ala Met Leu Gln Leu Ala Val Thr Glu Ile Glu Lys  
20 25 30

Glu Ala Ala Ala Lys Glu Val Glu Lys Gln Asn Tyr Leu Ala Glu His  
35 40 45

Cys Pro Pro Leu Ser Leu Pro Gly Ser Met Gln Glu Leu Gln Glu Leu  
50 55 60



Cys Lys Lys Leu His Ala Lys Ile Asp Ser Val Asp Glu Glu Arg Tyr  
65 70 75 80

Asp Thr Glu Val Lys Leu Gln Lys Thr Asn Lys Glu Leu Glu Asp Leu  
85 90 95

Ser Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu  
100 105 110

Arg Arg Val Arg Met Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly  
115 120 125

Ser Lys His Lys Val Asn Met Asp Leu Arg Ala Asn Leu Lys Gln Val  
130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Lys Asp Leu Arg Asp Val Gly Asp  
145 150 155 160

Trp Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys  
165 170 175

Met Phe Glu Ala Gly Glu Ser  
180

<210> 9  
<211> 187  
<212> PRT  
<213> Mus sp.

<400> 9

Met Pro Glu Val Glu Arg Lys Ser Lys Ile Thr Ala Ser Arg Lys Leu  
1 5 10 15

Met Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln  
20 25 30

Glu His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ser Glu Arg  
35 40 45

Ile Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp  
 50 55 60

Leu Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg  
 65 70 75 80

Tyr Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp  
 85 90 95

Leu Lys Leu Lys Val Leu Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro  
 100 105 110

Leu Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu  
 115 120 125

Gly Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser  
 130 135 140

Val Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp  
 145 150 155 160

Trp Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys  
 165 170 175

Met Phe Asp Ala Ala Lys Ser Pro Thr Ser Gln  
 180 185

<210> 10  
 <211> 187  
 <212> PRT  
 <213> Rattus sp.

<400> 10

Met Pro Glu Val Glu Arg Lys Ser Lys Ile Thr Ala Ser Arg Lys Leu  
 1 5 10 15

Met Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln  
 20 25 30

Glu His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ser Glu Arg  
 35 40 45

Ile Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp  
 50 55 60

Leu Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg  
 65 70 75 80

Tyr Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp  
 85 90 95

Leu Lys Leu Lys Val Leu Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro  
 100 105 110

Leu Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu  
 115 120 125

Gly Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser  
 130 135 140

Val Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp  
 145 150 155 160

Trp Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys  
 165 170 175

Met Phe Asp Ala Ala Lys Ser Pro Thr Leu Gln  
 180 185

<210> 11  
 <211> 187  
 <212> PRT  
 <213> Homo sapiens

<400> 11

Met Pro Glu Val Glu Arg Lys Pro Lys Ile Thr Ala Ser Arg Lys Leu  
 1 5 10 15

Leu Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln  
                   20                                  25                                  30

Glu His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ala Glu Arg  
                   35                                  40                                  45

Ile Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp  
                   50                                  55                                  60

Leu Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg  
   65                                  70                                  75                                  80

Tyr Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp  
                                   85                                  90                                  95

Leu Lys Leu Lys Val Met Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro  
                   100                                  105                                  110

Leu Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu  
                   115                                  120                                  125

Gly Ser Arg His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser  
                   130                                  135                                  140

Val Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp  
  145                                  150                                  155                                  160

Trp Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys  
                                   165                                  170                                  175

Met Phe Asp Ala Ala Lys Ser Pro Thr Ser Gln  
                   180                                  185

<210> 12

<211> 184

<212> PRT

<213> Oryctolagus sp.

&lt;400&gt; 12

Pro Glu Val Glu Arg Lys Ser Lys Ile Thr Ala Ser Arg Lys Leu Leu  
 1 5 10 15

Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Gln Gln Glu His Glu  
 20 25 30

Ala Arg Glu Ala Glu Lys Val Arg Tyr Leu Ala Glu Arg Ile Pro Ala  
 35 40 45

Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp Leu Cys Arg  
 50 55 60

Gln Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg Tyr Asp Ile  
 65 70 75 80

Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp Leu Lys Leu  
 85 90 95

Lys Val Leu Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu Arg Arg  
 100 105 110

Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly Ser Lys  
 115 120 125

His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser Val Lys Lys  
 130 135 140

Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp Trp Arg Lys  
 145 150 155 160

Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys Met Phe Asp  
 165 170 175

Ala Ala Lys Ser Pro Thr Ser Gln  
 180

&lt;210&gt; 13

<211> 108  
 <212> PRT  
 <213> Capra sp.

<400> 13

Met Pro Glu Val Glu Arg Lys Pro Lys Ile Thr Ala Ser Arg Lys Leu  
 1 5 10 15

Leu Leu Lys Ser Leu Met Leu Ala Arg Ala Lys Glu Cys Trp Asp Gln  
 20 25 30

Glu Leu Glu Glu Arg Glu Ala Glu Lys Lys Arg Tyr Leu Ala Glu Arg  
 35 40 45

Val Pro Ser Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp  
 50 55 60

Leu Cys Arg Asp Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg  
 65 70 75 80

Tyr Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp  
 85 90 95

Leu Lys Leu Lys Val Leu Asp Leu Arg Gly Lys Phe  
 100 105

<210> 14  
 <211> 186  
 <212> PRT  
 <213> Coturnix sp.

<400> 14

Met Pro Glu Val Glu Arg Lys Ser Lys Ile Thr Ala Ser Arg Lys Leu  
 1 5 10 15

Leu Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Glu Trp Glu Gln  
 20 25 30

Glu Ile Val Asp Lys Gln Ser Glu Lys Glu Arg Tyr Leu Ser Glu Arg  
 35 40 45

Ile Thr Pro Leu His Thr Ser Gly Leu Ser Leu Ser Gln Leu Gln Asp  
 50 55 60

Leu Cys Arg Glu Leu His Glu Lys Val Glu Val Thr Asp Glu Glu Arg  
 65 70 75 80

Tyr Asp Ile Glu Ala Lys Cys Asn His Asn Thr Arg Glu Ile Lys Asp  
 85 90 95

Leu Lys Leu Lys Val Leu Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro  
 100 105 110

Leu Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu  
 115 120 125

Gly Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser  
 130 135 140

Val Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp  
 145 150 155 160

Trp Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys  
 165 170 175

Met Phe Asp Ala Ala Lys Ser Pro Thr Gly  
 180 185

<210> 15  
 <211> 39  
 <212> PRT  
 <213> Mus sp.

<400> 15

Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu Glu Ser Arg  
 1 5 10 15

Arg Glu Ser Glu Lys Glu Asn Tyr Leu Ser Glu His Cys Pro Pro Leu  
 20 25 30

His Ile Pro Gly Ser Met Ser  
35

<210> 16  
<211> 39  
<212> PRT  
<213> Capra sp.

<400> 16

Ile Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu Glu Gly Arg  
1 5 10 15

Arg Glu Ala Glu Lys Gln Asn Tyr Leu Ser Gly His Cys Pro Pro Leu  
20 25 30

His Leu Pro Gly Ser Met Ser  
35

<210> 17  
<211> 20  
<212> PRT  
<213> Rattus sp.

<400> 17

Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu Glu Ser Arg  
1 5 10 15

Arg Glu Ser Glu  
20

<210> 18  
<211> 20  
<212> PRT  
<213> Capra sp.

<400> 18

Ile Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu Glu Gly Arg  
1 5 10 15



Arg Glu Ala Glu  
20

<210> 19  
<211> 14  
<212> PRT  
<213> Unknown

<220>  
<223> Organism is Rattus sp. and Mus sp.

<400> 19

Ser Glu His Cys Pro Pro Leu His Ile Pro Gly Ser Met Ser  
1 5 10

<210> 20  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic

<400> 20

Ser Gly His Cys Pro Pro Leu His Ile Pro Gly Ser Met Ser  
1 5 10

<210> 21  
<211> 10  
<212> PRT  
<213> Unknown

<220>  
<223> Organism is Rattus sp. and Mus sp.

<400> 21

Glu Lys Glu Glu Ser Arg Arg Glu Ser Glu  
1 5 10

<210> 22  
<211> 10  
<212> PRT  
<213> Capra sp.

<400> 22

Glu Lys Glu Glu Gly Arg Arg Glu Ala Glu  
1 5 10

<210> 23

<211> 37

<212> PRT

<213> Rattus sp.

<400> 23

Val Gln Glu Leu Cys Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu  
1 5 10 15

Glu Glu Lys Tyr Asp Met Glu Val Lys Val Gln Lys Ser Ser Lys Glu  
20 25 30

Leu Glu Asp Met Asn  
35

<210> 24

<211> 37

<212> PRT

<213> Capra sp.

<400> 24

Val Gln Glu Leu Cys Gly Gln Leu His Ala Lys Ile Asp Ala Ala Glu  
1 5 10 15

Glu Glu Lys Tyr Asp Met Glu Val Arg Val Gln Lys Ser Ala Lys Glu  
20 25 30

Leu Glu Asp Met Asn  
35

<210> 25

<211> 22

<212> PRT

<213> Unknown

<220>

<223> Organism is Homo sapiens, Rattus sp. and Mus. sp.

<400> 25

Val Gln Glu Leu Cys Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu  
1 5 10 15

Glu Glu Lys Tyr Asp Met  
20

<210> 26

<211> 22

<212> PRT

<213> Capra sp.

<400> 26

Val Gln Glu Leu Cys Gly Gln Leu His Ala Lys Ile Asp Ala Ala Glu  
1 5 10 15

Glu Glu Lys Tyr Asp Met  
20

<210> 27

<211> 12

<212> PRT

<213> Unknown

<220>

<223> Organism is Oryctolagus sp., Rattus sp. and Homo sapiens

<400> 27

Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu  
1 5 10

<210> 28

<211> 12

<212> PRT

<213> Capra sp.

<400> 28

Gly Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu  
1 5 10

<210> 29  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 29

Glu Cys Trp Glu Gln Glu His Glu Glu Arg Glu Ala Glu Lys Val Arg  
 1 5 10 15

Tyr Leu Ala Glu Arg Ile Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu  
 20 25 30

Ser Ala Leu Gln Asp Leu Cys Arg Glu Leu His Ala Lys Val Glu Val  
 35 40 45

Val

<210> 30  
 <211> 49  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Synthetic

<400> 30

Glu Cys Trp Glu Gln Glu Leu Glu Glu Arg Glu Ala Glu Lys Lys Arg  
 1 5 10 15

Tyr Leu Ala Glu Arg Ile Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu  
 20 25 30

Ser Ala Leu Gln Asp Leu Cys Arg Asp Leu His Ala Lys Val Glu Val  
 35 40 45

Val

<210> 31  
 <211> 7

<212> PRT  
 <213> Unknown

<220>  
 <223> Organism is Rattus sp., Mus sp., Homo sapiens, Oryctolagus sp.,  
 and Capra sp.

<400> 31

His Ala Lys Val Glu Val Val  
 1 5

<210> 32  
 <211> 17  
 <212> PRT  
 <213> Unknown

<220>  
 <223> Organism is Mus sp., Rattus sp., and Homo sapiens

<400> 32

Glu Cys Trp Glu Gln Glu His Glu Glu Arg Glu Ala Glu Lys Val Arg  
 1 5 10 15

Tyr

<210> 33  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic

<400> 33

Glu Cys Trp Glu Gln Glu Leu Glu Glu Arg Glu Ala Glu Lys Lys Arg  
 1 5 10 15

Tyr

<210> 34  
 <211> 7

<212> PRT  
<213> Unknown

<220>  
<223> Organism is Rattus sp., Mus sp., and Homo sapiens

<400> 34

Ile Pro Thr Leu Gln Thr Arg  
1 5

<210> 35  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic

<400> 35

Ile Pro Ser Leu Gln Thr Arg  
1 5